

The Mecon FlexSystem

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Mecon Industries Ltd. presents their "The Mecon Flex System" a modular, built to order, manufacturing system designed to allow for quick and cost effective changes in production set-ups. The flexibility of the control system allows it to command a variety of tools and can be configured in many ways, limited only by the imagination.

A typical system incorporates multiple punching/notching stations, a feed to position system and a shear.

Components can include, but are not limited to; coil car, uncoiler, straightener, punch tools, notch tools, servo roll feeder, shear, stamping press, brake press, panel bender and gag tooling. Punch/Notch units can be mounted on slides to allow them to be positioned over strip and in pairs to allow for punching on either side of centerline. Punch positions can be adjusted manually or be motorized and be equipped with readouts to indicate offset from machine centerline. Gag tools are set/reset as the material is positioned to be ready for the next pressing. The servo driven feeder accurately positions the material to accommodate all tool positions.

The controller has a simple to use interface with manual and automatic programming modes. Programs can be keyed directly into the controller or downloaded from a computer. An Excel based pro-

gramming tool simplifies the development of complex programs. The control program uses sequences of lengths and tooling commands to maximize the flexibility of the tooling, and is designed to operate up to 16 tools and 16 presses.

"The Mecon Flex System" is compatible with mechanical, pneumatic, or hydraulic actuated tooling and can be used in 3 operating modes (standalone machine, station within system, press feeder). Designed for short and medium sized runs it allows for quick set-up changes and eliminates the need to purchase expensive special purpose dies.

The latest addition to the line-up of quality-manufactured products by Mecon can be configured to meet many production requirements.

Consider This Machine For:

- Pre-punch systems in roll forming
- Brackets
- Cut to length systems
- Punch notch and cut to length for duct work, stove pipe etc.
- Batching
- In press gagging

Systems to date have been built for 10 ga x 48" wide.

Sample Configurations



Photo 1

One 25 ton hydraulic press with 8 gag tools
Four 25ton single station hydraulic punches
Servo roll feed
Hydraulic shear
Capacity 10 gauge x 24"
Speed: 30 to 80 fpm*



Photo 2

5 roll straightener
2 hydraulic 10 ton punches
air press with punch tooling
servo roll feed
hydraulic shear
Capacity: 16 gauge x 48"
Sped 30 to 80 fpm*

* thru-put speed is dependant upon input limits, on part length, and feature positions.